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Professional Experience

Senior Director Research & Development, 8/03 – present
GenVec, Inc., Charlestown, MA
Senior Director of Cell Transplantation Research, 3/99 – 8/03
Diacrin, Inc., Charlestown, MA
Director of Cell Transplantation Research, 1/95 – 3/99
Diacrin, Inc., Charlestown, MA
Principal Investigator, 1/93 – 1/95
Diacrin, Inc., Charlestown, MA
Research Scientist, 7/92 – 1/93
Diacrin, Inc., Charlestown MA

Education

Massachusetts Institute of Technology, Cambridge, MA
Post-doctoral fellow. Research Topic: "Alteration of gene expression during development with anti-sense RNA expression." Center for Cancer Research and Department of Biology. Laboratory of Dr. Frank Solomon, 7/89 – 6/92.
Dartmouth College, Hanover, NH
Ph. D. Biology. Thesis Title: "Biochemistry of the isolated mitotic apparatus." Awards/Honors: Cass Traveling Fellowship Award 1985, Presidential Scholar 1988. Ph. D. awarded 6/89
Boston College, Chestnut Hill, MA
B. S. Biology, Cum Laude, Graduation 6/83

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Additional Professional Activities

United States Antarctic Research Program, Palmer Island, Antarctica, Research Student. "Biochemical analysis of tubulin proteins from Antarctic ice fish."(1/86 – 4/86)

Cold Spring Harbor Laboratories, Cold Spring Harbor, NY, Research student "Advanced Techniques in Molecular Biology." (6/87 – 7/87).

Woods Hole Marine Biological Laboratories, Woods Hole, MA, Research student. "Biochemistry of the isolated mitotic apparatus."(6/85 – 9/85).

University of Washington, Friday Harbor Labs, Research student. "Invertebrate Zoology and Invertebrate Embryology."(6/84 – 9/84).

Membership in Professional Associations: American Society for Cell Biology, New York Academy of Sciences, American Society for Neural Cell Transplantation American Society for Microbiology, Society for Neuroscience, American Association for the Advancement of Science, American Heart Association.

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Patents and Patent Applications

Issued Patents:

U. S. Pat. Number 6,713,245: "Improved methods for storing neural cells such that they are suitable for transplantation."

U. S. Pat. Number 6,432,711: "Embryonic stem cells capable of differentiating into desired cell lines."

U. S. Pat. Number 6,294,383: "Porcine neural cells and their use in the treatment of neurological deficits due to neurodegenerative diseases."

U. S. Pat. Number 6,277,372: "Porcine neural cells and their use in the treatment of neurological deficits due to neurodegenerative diseases."

U. S. Pat. Number 6,258,353: "Porcine neural cells and their use in the treatment of neurological deficits due to neurodegenerative diseases."

U. S. Pat. Number 6,204,053: "Porcine cortical cells and their use in treatment of neurological deficits due to neurodegenerative diseases."

U. S. Pat. Number 6,140,116: "Isolated and modified porcine cerebral cortical cells."

U. S. Pat. Number 5,961,972: "Isolated porcine pancreatic cells for use in treatment of diseases characterized by insufficient insulin activity."

U. S. Pat. Number 5,919,449: "Porcine cardiomyocytes and their use in treatment of insufficient cardiac function."

U. S. Pat. Number 6,491,912: "Porcine cardiomyocytes and their use in treatment of insufficient cardiac function."

U. S. Pat. Number 5,837,236: "Isolated porcine pancreatic cells for use in treatment of diseases characterized by insufficient insulin activity."

U. S. Pat. Number 5,677,174: "Isolated porcine pancreatic cells for use in treatment of diseases characterized by insufficient insulin activity."

U. S. Pat. Number 5,629,194: "Isolated porcine pancreatic cells for use in treatment of diseases characterized by insufficient insulin activity."

U. S. Pat. Number 5,593,673: "Isolated porcine pancreatic cells for use in treatment of diseases characterized by insufficient insulin activity."

U. S. Pat. Number 6,444,205: "Transplantation of neural cells for the treatment of chronic pain or spasticity."

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Pending Applications:

U. S. Application Number 10/105,035	"Muscle Cells and Their Use in Cardiac Repair."
U. S. Application Number 60/401,449	"Improved Injection System."
U. S. Application Number 09/163,272	"Porcine spinal cord cells and their use in spinal cord repair."
U. S. Application Number 09/163,227	"Transplantation of neural cells for the treatment of ischemic damage due to stroke."

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Research Papers

(1) **Dinsmore, J. H.** and R. D. Sloboda. (1988). Calcium and calmodulin-dependent phosphorylation of a 62kD protein induces microtubule depolymerization in sea urchin mitotic apparatuses. **Cell 53:769-780.**

(2) **Dinsmore, J. H.** and R. D. Sloboda. (1989). Microinjection of antibodies to a 62kd mitotic apparatus protein arrests mitosis in dividing sea urchin embryos. **Cell 57:127-134.**

(3) **Dinsmore, J. H.** and R. D. Sloboda. (1989). Identification of a 62kD mitotic apparatus associated protein from sea urchin which is important for the proper progression of mitosis. **Ann. N.Y. Acad Sci. 582:301-303.**

(4) **Dinsmore, J. H.** and F. Solomon. (1991). Inhibition of MAP2 expression affects both morphological and cell division phenotypes of neuronal differentiation. **Cell 64: 817-826.**

(5) Birgbauer, E., **J. H. Dinsmore**, B. Winckler, A. D. Lander, and F. Solomon. (1991). Association of ezrin isoforms with the neuronal cytoskeleton. **J. Neurosci. Res. 30: 232-241.**

(6) Stamm, S., D. Casper, **J. Dinsmore**, C. A. Kaufmann, J. Brosius, and D. Helfman. (1992). Clathrin light chain B: gene structure and neuron-specific splicing. **Nucleic Acids Research. 20(19):5097-5103.**

(7) Detrich H. W., T.J. Fitzgerald, **J. H. Dinsmore**, and S. P. Marchese-Ragona (1992). Brain and egg tubulins from Antarctic fishes are functionally and structurally distinct. **J. Biol. Chem. 267: 18766-18775.**

(8) **Dinsmore, J. H.** and F. Solomon. (1993). The use of antisense RNA to inhibit expression of cytoskeletal proteins in P19 embryonal carcinoma cells. **Neuroprotocols 2: 19-23.**

(9) Deacon, T. W., P. Pakzaban, L. H. Burns, **J. Dinsmore**, and O. Isacson. (1994). Cytoarchitectonic development, axon-glia relationships, and long distance axon growth of porcine striatal xenografts in rats. **Exp. Neurol. 130: 151-167.**

(10) Pakzaban, P., T. W. Deacon, L. H. Burns, **J. Dinsmore**, and O. Isacson. (1995). A novel mode of immunosuppression of neural xenotransplants: masking of donor major histocompatibility complex class I enhances transplant survival in the CNS. **Neuroscience 65: 983-996.**

(11) Garcia, A. R., T. W. Deacon, **J. Dinsmore**, and O. Isacson. (1995). Extensive axonal and glial fiber growth from fetal porcine cortical xenografts in the adult rat cortex. **Cell Transplantation 4: 515-527.**

(12) Isacson, O., T. W. Deacon, P. Pakzaban, W. R. Galpern, **J. Dinsmore**, and L. H. Burns. (1995). Transplanted xenogeneic neural cells in neurodegenerative disease models exhibit remarkable axonal target specificity and distinct growth patterns of glial and axonal fibres. **Nature Medecine 1: 1189-1194.**

(13) **Dinsmore, J. H.**, J. Ratliff, T. H. Deacon, P. Pakzaban, D. Jacoby, W. Galpern, and O. Isacson. (1996). Embryonic stem cells differentiated in

vitro as a novel source of cells for transplantation. **Cell Transplantation 5:131-143**.

(14) **Dinsmore, J.**, P. Pakzaban, T. Deacon, L. Burns, W. Galpern, and O. Isacson. (1996). Long-term survival of F(ab')2 masked xenogeneic fetal porcine neural cells after transplantation into brain. **Transplantation Proc. 28:817-818**.

(15) Galpern, W. R., L. H. Burns, T. W. Deacon, **J. Dinsmore**, and O. Isacson. (1996). Xenotransplantation of porcine fetal ventral mesencephalon in a rat model of Parkinson's disease: functional recovery and graft morphology. **Exp. Neurol. 140:1-13**.

(16) Deacon, T., J. Schumacher, **J. Dinsmore**, C. Thomas, P. Palmer, S. Kott, A. Edge, D. Penney, S. Kassissieh, P. Dempsey, and O. Isacson. (1997). Histological evidence of fetal pig neural cell survival after transplantation into a patient with Parkinson's disease. **Nature Medecine 3:350-353**.

(17) **Dinsmore, J. H.**, Deacon, T. W., and Isacson, O. (1997). Fetal neural xenografts as a therapy for Parkinson's and Huntington's disease. In **Biotechnology International**, T. H. Connor and C. F. Fox, eds. (San Francisco: Universal Medical Press, Inc.), **pp. 65-72**.

(18) Jacoby, D. B., Lindberg, C., Ratliff, J., Wunderlich, M., Bousquet, J., Wetzel, K., Beaulieu, L., and **Dinsmore, J.** (1997). Fetal pig neural cells as a restorative therapy for neurodegenerative disease. **Artificial Organs 21:1192-1198**.

(19) Oettinger, H. F., J. A. Sullivan, K. E. Crosby, J. A. Kelley, D. B. Jacoby, **J. Dinsmore**, A. Zawadzka, and A. S. B. Edge. (1997). "Species-specific detection of porcine xenografts with an antibody against a novel epitope of the lymphocyte homing receptor, CD44." **Xenotransplantation 4: 252-261**.

(20) **Dinsmore, J.**, Ratliff, J., Jacoby, D., Wunderlich, M., and Lindberg, C. (1998). Embryonic stem cells as a model for studying regulation of cellular differentiation. **Theriogenol. 49:145-151**.

(21) Deacon, T., **J. Dinsmore**, L. C. Constantini, J. Ratliff, and O. Isacson. (1998). Blastula stage stem cells can differentiate into dopaminergic and serotonergic neurons after transplantation. **Exp. Neurol. 149:28-41**.

(22) Lindberg, C., M. Wunderlich, J. Ratliff, **J. Dinsmore**, and D. B. Jacoby. (1998). Regulated expression of the homeobox gene, rPtx2, in the developing rat. **Dev. Brain Res. 110: 215-226**.

(23) LeBlanc, C. J., T. W. Deacon, B. R. Whatley, **J. Dinsmore**, L. Lin, and O. Isacson. (1999). Morris water maze analysis of 192-IgG-saporin-lesioned rats and porcine cholinergic transplants to the hippocampus. **Cell Transplantation 8: 131-142**.

(24) Jacoby, D., C. Lindberg, J. Pope, J. Ratliff, M. Cunningham, and **J. Dinsmore**. (1999). Long-term survival of fetal porcine lateral ganglionic eminence cells in the hippocampus of rats. **J. Neurosci. Res. 56: 581-594**.

(25) Fink JS, Schumacher JM, Ellias SL, Palmer EP, Saint-Hilaire M, Shannon K, Penn R, Starr P, VanHorne C, Kott HS, Dempsey PK, Fischman AJ, Raineri R, Manhart C, **Dinsmore J**, Isacson O. (2000) Porcine xenografts in

Parkinson's disease and Huntington's disease patients: preliminary results. **Cell Transplant. 9(2):273-8.**

(26) Schumacher, J. M., S. L. Ellias, E. P. Palmer, H. S. Kott, **J. Dinsmore**, P. K. Dempsey, A. J. Fischman, C. Thomas, R. G. Feldman, S. Kassissieh, R. Raineri, C. Manhart, J. S. Fink, and O. Isacson. (2000). Transplantation of embryonic porcine mesencephalic tissue in patients with PD. **Neurology 54: 1042-1050**.

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(29) Savitz SI, Rosenbaum DM, **Dinsmore JH**, Wechsler LR, Caplan LR. (2002) Cell transplantation for stroke. **Ann Neurol. 52(3):266-75.**

(30) Pagani F. D., Harout DerSimonian, Agatha Zawadzka, Kristie Wetzel, Albert S. B. Edge, Douglas B. Jacoby, **Jonathan H. Dinsmore**, Susan Wright, Tom H. Aretz, Howard J. Eisen, Keith D. Aaronson. (2003) Autologous skeletal myoblasts transplanted to ischemia damaged myocardium in humans: histological analysis of cell survival and differentiation. **J. Am. Coll. Cardiol. 41(5): 879-888.**

(31) Dib, N., P. McCarthy, A. Campbell, M. Yeager, F. D. Pagani, S. Wright, W. R. MacLellan, G. Fonarow, H. J. Eisen, R. E. Michler, P. Binkley, D. Buchele,, R. Korn, M. Ghazoul, **J. Dinsmore,** E. Diethrich, (2004) Safety and Feasibility of Autologous Myoblast Transplantation in Patients with Ischemic Cardiomyopathy:The United States Experience. **Cell Transplantation (In Press).**

(32) Savitz, S. I., **J. Dinsmore**, G. Henderson, J. Wu, C. VanHorne, P. Stieg, and L. Caplan. (2004) Neurotransplantation of Fetal Porcine Cells in Patients with Basal Ganglia Stroke. **Submitted Neurology.**

(33) McConnell, P. I., C. L. del Rio, D. B. Jacoby, M. Pavlicova, M, P. Kwiatkowski, A. Zawadzka, **J. H. Dinsmore**, L. Astra, S. Wisel[l], R. E. Michler. (2004) Correlation of Autologous Skeletal Myoblast Survival with Changes in Left Ventricular Remodeling in Dilated Ischemic Heart Failure. **Submitted J. Heart Lung Transplantation.**

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Reviews and Book Chapters

(1) **Dinsmore, J. H.** Immunoprivileged sites for allo- and xenotransplantation. In "Xenotransplantation: The transplantation of organs and tissues between species." D. K. C. Cooper, E. Kemp, J. L. Platt, and D. J. G. White (eds.) 2nd ed. Spinger-Verlag, Berlin, pp. 199-205, 1997.

(2) Edge, A. S. B. and **J. Dinsmore**. 1997. Xenotransplantation in the central nervous system. Xeno 5:23-25.

(3) **Dinsmore, J. H.** (1998) Treatment of neurodegenerative diseases with neural cell transplantation. Exp. Opin. Invest. Drugs 7:527-534.

(4) Edge, A. S. B., M. Gosse, and **J. Dinsmore**. 1998. Xenogeneic cell therapy: current progress and future developments of porcine cell transplantation. Cell Transplantation 7: 525-539.

(5) **Dinsmore, J. H.**, J. Martin, J. Siegan, J. P. Morrison, C. Lindberg, J. Ratliff, and D. J. Jacoby. (2002). CNS grafts for treatment of neurologic disorders. Methods in Tissue Engineering. A. Atala, R. P. Lanza (eds.), Academic Press, San Diego, CA, pp.1127-1134, 2002.

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Abstracts

(1) Detrich, H. W., T. J. Fitzgerald, M. Little, **J. Dinsmore**, and R. F. Ludueña. 1987. Assembly and structure of brain and egg tubulins from Antarctic fishes. **J. Cell Biol. 105: 278a.**

(2) **Dinsmore, J. H.** and R. D. Sloboda. 1987. Identification of a calcium-calmodulin dependent protein kinase associated with the sea urchin mitotic apparatus. **Biol. Bull. 173:564 -565.**

(3) **Dinsmore, J. H.** and R. D. Sloboda. 1987. Identification of a calcium/calmodulin dependent protein kinase associated with the sea urchin mitotic apparatus. **J. Cell Biol. 105: 284a.**

(4) **Dinsmore, J. H.** and R. D. Sloboda. 1988. Microinjection of antibodies to a 62kD protein from sea urchin mitotic apparatuses inhibits mitosis in dividing sea urchin embryos. **J. Cell Biol. 107:443a.**

(5) Johnston, J. A., **J. Dinsmore**, and R. D. Sloboda. 1989. Cell cycle abundance and intracellular distribution of a 62kD protein involved in microtubule (MT) stability during mitosis. **J. Cell Biol. 109:87a.**

(6) **Dinsmore, J. H.**, and F. Solomon. 1990. Functional analysis of microtubule-associated protein expression in embryonal carcinoma cells. **J. Cell Biol. 111: 291a.**

(7) Birgbauer, E., **J. Dinsmore**, and F. Solomon. 1990. Analysis of a cytoskeleton associated component of the growth cone. **J. Cellular Biochem. Suppl. 14F:26.**

(8) Detrich, H. W., T. J. Fitzgerald, **J. Dinsmore**, and S. K. Parker. 1990. Brain and egg tubulin from Antarctic fishes are functionally and structurally distinct. **J. Cell Biol. 111: 412a.**

(9) Birgbauer, E., B. Winckler, **J. Dinsmore**, M. Magendantz, and F. Solomon. 1990. Developmental changes of ezrin association with the cytoskeleton. **J. Cell Biol. 111: 423a.**

(10) **Dinsmore, J.**, D. B., Jacoby and J. Ratliff. 1993. Controlled differentiation of embryonic stem cells in vitro. **33rd Annual Meeting of the American Society for Cell Biology, Dec. 11-15, 1993.**

(11) Deacon, T., P. Pakzaban, **J. Dinsmore**, L. Burns, and O. Isacson. 1993. Axonal growth by fetal porcine striatal grafts in rats. **23rd Annual Meeting of Society for Neuroscience, Nov. 7-12, 1993.**

(12) Burns, L. H., P. Pakzaban, T. W. Deacon, **J. Dinsmore**, and O. Isacson. 1994. Xenotransplantation of porcine ventral mesencephalic neuroblasts restores function in primates with chronic MPTP-induced Parkinsonism. **24th Annual Meeting. Society for Neuroscience**. Vol. 20: 1330..

(13) Deacon, T., P. Pakzaban, L. Burns, W. Galpern, **J. Dinsmore**, and O. Isacson. 1994. Target-specific long distance axon growth from porcine striatal and ventral mesencephalon xenografts in rats. **24th Annual Meeting of the Society for Neuroscience, Nov 13-18, 1994.**

(14) **Dinsmore, J.**, D. B. Jacoby, and J. Ratliff. 1994. High efficiency differentiation of mouse embryonic stem cells into either neurons or skeletal muscle in vitro. **J. Cell Biochem. 18B(Suppl.): 177.**

(15) **Dinsmore, J.**, P. Pakzaban, T. Deacon, L. Burns, and O. Isacson. 1994. Long term survival of masked xenogeneic fetal porcine neural grafts. **IBC Conference on Xenotransplantation. 16 - 17 June 1994.**

(16) **Dinsmore, J.**, P. Pakzaban, T. W. Deacon, J. Ratliff, D. M. Frim, and O. Isacson. 1994. Intracerebral transplantation of neurons differentiated in vitro from pluripotent embryonic stem cells. **24th Annual Meeting of the Society for Neuroscience, Nov 13-18, 1994.**

(17) Isacson, O., T. W. Deacon, P. Pakzaban, L. Burns, W. Galpern, **J. Dinsmore**, S. Tatter, C. LeBlanc, and J. Park. 1994. Long distance graft growth of astroglial fibers is associated with axonal white matter tracts but not axonal gray matter target zones. **24th Annual Meeting. Society for Neuroscience.** Vol. 20: 9.

(18) Isacson, O., T. W. Deacon, P. Pakzaban, **J. Dinsmore**, L. H. Burns. 1994. Neuronal replacement in primate and rat models of Huntington Disease: Novel approaches by selective ganglion eminence cell preparations and neural xenotransplantation. **1st Annual Meeting of the American Society for Neural Transplantation, May 5-7, 1994.**

(19) Pakzaban, P., T. W. Deacon, L. H. Burns, **J. Dinsmore**, and O. Isacson. 1994. Enhanced survival of neural xenografts after masking of donor major histocompatibility complex class I. **24th Annual Meeting. Society for Neuroscience**. Vol. 20: 1708.

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(20) Pakzaban, P., T. W. Deacon, L. H. Burns, **J. Dinsmore**, S. Chappel, and O. Isacson. 1994. The use of porcine fetal neuroblasts as an alternative cell source for neural transplantation. **1st Annual Meeting of the American Society for Neural Transplantation, May 5-7, 1994.**

(21) **Dinsmore, J.**, T. Deacon, P. Pakzaban, J. Ratliff, and O. Isacson. 1995. Neurons differentiated in vitro from pluripotent embryonic stem cells for CNS transplantation: in vitro characterization and transplantation into rodents. **2nd Annual Meeting of the American Society for Neural Transplantation. 27-30 April 1995.**

(22) Galpern, W. R., L. H. Burns, T. W. Deacon, S. B. Tatter, **J. Dinsmore**, and O. Isacson. 1995. Xenotransplantation and antigen masking of fetal porcine ventral mesencephalon in a rat model of Parkinson's disease. **2nd Annual Meeting of the American Society for Neural Transplantation. 27-30 April 1995.**

(23) **Dinsmore, J.**, J. Ratliff, C. Lindberg, M. Wunderlich, D. Jacoby, T. W. Deacon, and O. Isacson. Mouse embryonic stem cells: in vitro differentiation and use for intracerebral transplantation. **Cell and Molecular Treatments for Neurodegenerative Diseases. 7 - 9 Sept. 1995.**

(24) Isacson, O., J. M. Schumacher, **J. Dinsmore**, T. W. Deacon, W. R. Galpern, P. Pakzaban, L. H. Burns, S. Tatter, D. Penney, S. Kott, P. Palmer, A. Fishman, P. Dempsey. Transplantation of porcine neural cells to restore connections and function in Parkinson's and Huntington's diseases. **Cell and Molecular Treatments for Neurodegenerative Diseases. 7 - 9 Sept. 1995.**

(25) **J. Dinsmore.**, P. Pakzaban, T. Deacon, L. Burns, W. Galpern, and O. Isacson. 1995. Long-term survival of F(ab')2 masked xenogeneic fetal porcine neural cells after transplantation into brain. **Third International Congress for Xenotransplantation. 27 Sept. - 1 Oct. 1995.**

(26) Isacson, O., T. W. Deacon, W. R. Galpern, L. H. Burns, **J. Dinsmore**, and P. Pakzaban. 1995. Maintained neurotropic specificity in reconstruction of the adult CNS by neural transplants. **25th Annual Meeting. Society for Neuroscience.** Vol. 21: 1756.

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(28) Deacon, T. W., **J. Dinsmore**, W. Galpern, and O. Isacson. 1995. Embryonic stem cells transplanted to the adult brain: Tyrosine hydroxylase (TH) positive neurons developed spontaneously and by transfection with the human TH gene. **25th Annual Meeting. Society for Neuroscience.** Vol.21: 2028.

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(30) Deacon, T., C. Thomas, **J. Dinsmore**, E. P. Palmer, D. Penney, S. Kott, P. Dempsey, O. Isacson, and J. Schumacher. 1996. Post-mortem histological characterization of surviving porcine mesencephallic cell suspension xenografts in a parkinsonian patient. **26th Annual Meeting. Society for Neuroscience.** Vol. 22: 318

(31) Jacoby, D. B., C. Lindberg, J. Ratliff, and **J. Dinsmore**. 1996. Xenogeneic engraftment of porcine fetal lateral ganglionic eminence cells into the rat hippocampus: a potential therapy for epilepsy. **26th Annual Meeting. Society for Neuroscience.** Vol.22: 578.

(32) LeBlanc, C., L. Burns, P. Borghesani, T. Deacon, **J. Dinsmore**, and O. Isacson. Xenotransplanted cholinergic neurons into models of cognitive dysfunction. **26th Annual Meeting of Society for Neuroscience. 16-21 November 1996.**

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(34) Ellias, S. A., E. P. Palmer, et al. (1997). Fetal porcine ventral mesencephalic transplantation for Parkinson's Disease: preliminary results. **Movement Disorders 12: 839-840.**

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(35) Siegan, J. B., M. L. Wunderlich, K. Wetzel, J. Bousquet, and **J. H. Dinsmore**. (1998). Intraspinal transplantation of CNS fetal porcine neurons. **28th Annual Meeting of Society for Neuroscience.** Vol. 24: 68.

(36) **Dinsmore, J. H.**, D. Jacoby, S. A. Ellias, E. P. Palmer, H. S. Kott, J. Schumacher, C. Manhart, R. Raineri, A. Moore, J. S. Fink, and G. R. Stewart. 1998. Fetal porcine cell transplantation for the treatment of Parkinson's disease: preliminary clinical safety, efficacy, and PERV test results. **Exp. Neurol. 153: 372.**

(37) **Dinsmore, J.**, C. Lindberg, J. Pope, J. Ratliff, and D. Jacoby. 1998. Cold storage of porcine ventral mesencephalon cells: effects on viability, post-transplantation graft volume, and survival of tyrosine hydroxylase immunoreactive cells. **Exp. Neurol. 153: 373.**

(38) Siegan, J. B., M. L. Wunderlich, and **J. H. Dinsmore**. 1998. Porcine fetal transplants enhance functional recovery in the spinal cord injured rat. **Exp. Neurol. 153: 378.**

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(40) Schachter, S. C., D. L. Schomer, et al. (1998). Porcine fetal GABA-producing neural cell transplants for human partial-onset seizures: safety and feasibility. **Epilepsia 39(Suppl. 6): 67.**

(41) St. Hillaire, M., K. Shannon, et al. (1998). Transplantation of fetal porcine striatal cells in Huntington's disease: preliminary safety and efficacy results. **Neurology 50(suppl. 4): S10.008.**

(42) Jacoby, D. B., C. Lindberg, J. Ratliff, J. Pope, and **J. Dinsmore**. 2000. In vivo survival and rotational correction of cryopreserved porcine ventral mesencephalon cells in a rat model of Parkinson's disease. **Exp. Neurol.**

(43) Schachter, S. C., D. L. Schomer, and **J. H. Dinsmore**. GABAergic cell implants for epilepsy. 5th EILAT Conference on new antiepileptic drugs. June 25 - 29, 2000.

(44) Dib, N., P. McCarthy, A. Campbell, **J. Dinsmore**, M. Yeager, F. D. Pagani, S. Wright, W. R. MacLellan, G. Fonarow, H. J. Eisen, S. Furukawa, R. E. Michler, D. Buchele, M. Ghazoul, and E. B. Diethrich. 2002. Safety and feasibility of autologous myoblast transplantation in patients with ischemic cardiomyopathy: Interim results from the United States experience. **Circulation 106(19) Suppl.: II-463.**

(45) Pagani, F. D., H. DerSimonian, A. Zawadzka, D. B. Jacoby, **J. Dinsmore**, S. Wright, T. H. Aretz, K. Wetzel, and K. D. Aaronson. 2002. Autologous skeletal myoblasts transplanted in ischemia damaged myocardium in humans: Histological analysis of cell survival and differentiation. **Circulation 106(19) Suppl.: II-463.**

(46) Dib, N., P. McCarthy, A. Campbell, **J. Dinsmore**, M. Yeager, W. R. MacClellan, G. Faranow, R. E. Michler, D. Buchele, M. Ghazoul, and E. B. Diethrich. 2003. Safety and feasibility of autologous myoblast transplantation in patients undergoing Coronary Artery Bypass Grafting: Results from the United States experience. **J. Am. Coll. Cardiol. 41(6): 380A.**

(47) McConnell, P. I., Louis Astra, E. William Schneeberger, Doug Jacoby, **Jonathan Dinsmore** and Robert E. Michler. 2003. Autologous skeletal myoblast transplantation attenuates left ventricular dilatation without improving cardiac function. **Journal of Cardiac Failure, 9(5) Supplement 1: S1.**

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